ABSTRACT OF THE DISCLOSURE

Dual cordless battery activating chargers activating their batteries via a vehicle, other vehicle, and performing the activation of other devices comprises: two 2.5A chargers each having 96 percent efficiency, an external power switch, a surface for placement of a user's finger for actuating the switch and the chargers simultaneously. This switch is in a column of the vehicle, also. The chargers further comprises an IC1 for controlling this switch, a charge pump generating a positive gate-drive voltage of the switch, a charging current having a voltage across a 25-Mohma resistor R3, and amplified by an op amp via positive-voltage feedback to IC1, a chip for maintaining the charging current at 2.5A, a circuit supplying the current to a separate load up to a limit being set via a current-sense transformer T1, and a sense resistor R1. T1 improves efficiency by lowering power dissipation in the resistor R1. This transformer turns ratio (1:70) routs, only 1/70 of the total battery-plus-load current through R1, generating a feedback voltage which enables IC1 to limit the overall current to a level compatible with the external components. While charging this system can activate computers, televisions, air conditioners, electrical ranges, refrigerators and much more. The system does not have to be charged, **unless the inductor current exceeds the 100m V current limit threshold.** This causes a high-side latch to reset and turns off a high-side switch.